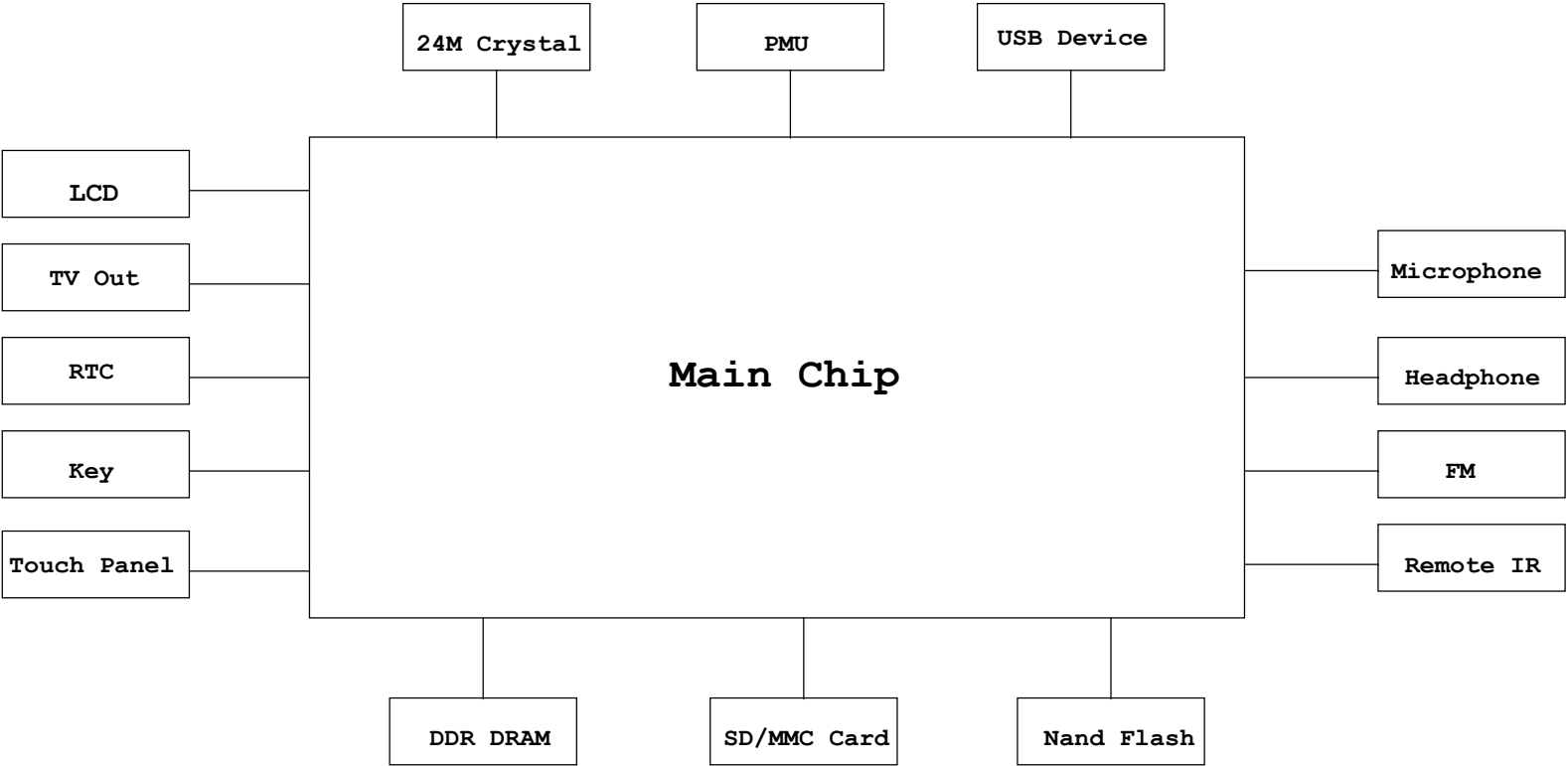


方案规格：

FLASH: MLC, 3.3V
DRAM: DDR, 16M*16, 2.5V
Key: 8+2, Play/Pause/Power, Home/ Setting, Vol+, Vol-, Up, Down, Left, Right, Hold switch
Power: DCIN, 5V, 1A; BAT, 4.2V, 1000mA
USB: Device
Card: SD/MMC(一线卡)
TV out: CVBS
LCD仅支持480*272以下分辨率(包括)
其它:Headphone, MIC, FM, IR,RTC



电源供应 (AXP188最大输出)：

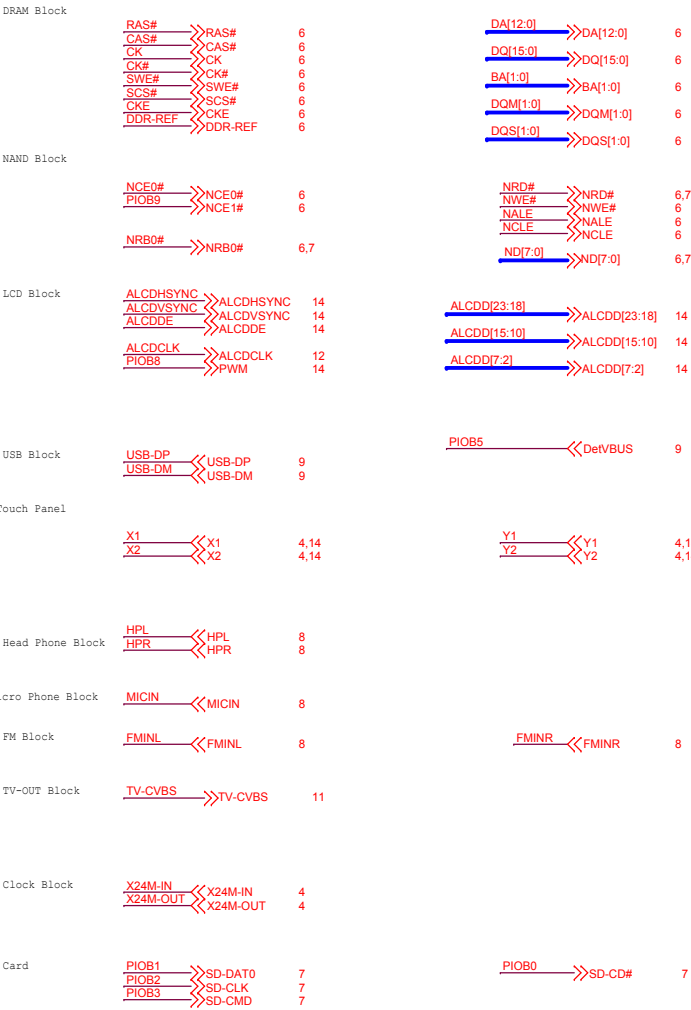
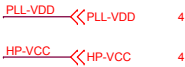
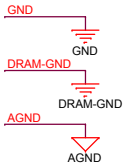
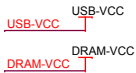
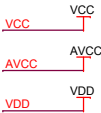
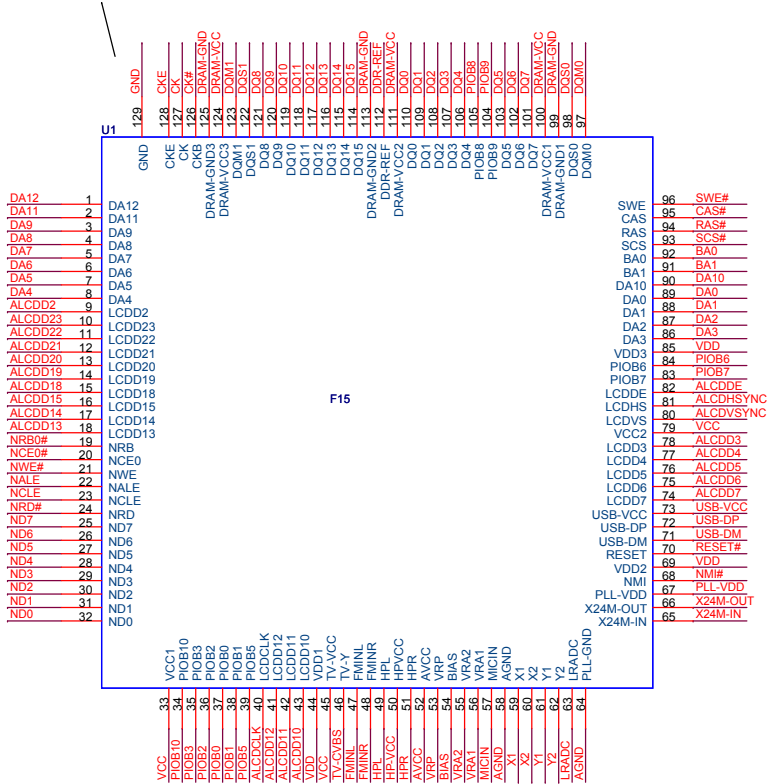
- DC1: 3.3V, 1100mA, 周边器件
- DC2: 1.2V, 750mA, Core
- DC3: 2.5V, 650mA, DDR
- LD02: 3V, 150mA, Analog
- LD05: 3V, 100mA, Microphone
- SW1: 3.3V, 300mA, LCD

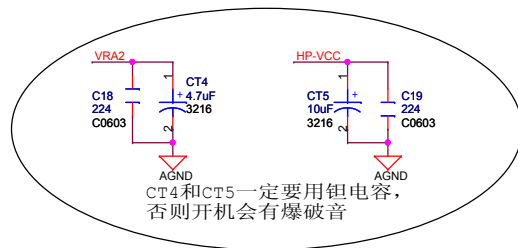
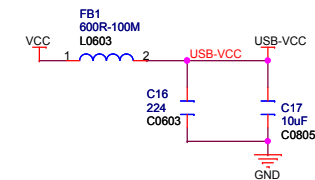
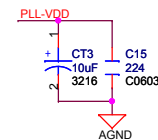
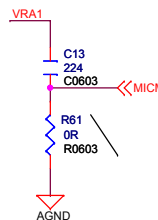
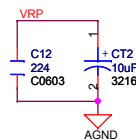
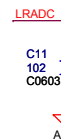
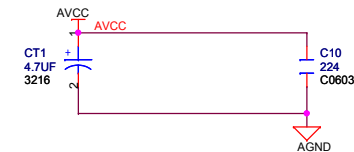
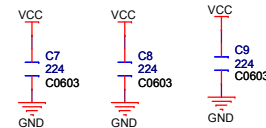
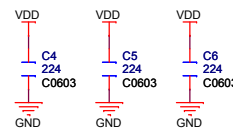
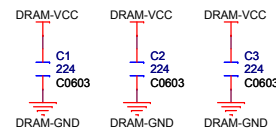
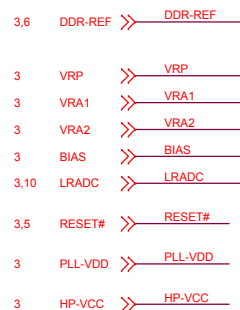
PIO ASSIGNMENT

Pin Name	Card	NAND	I2C	LCD	Speaker	Remote	USB	Notes
PIOB0	SD0-CD#							
PIOB1	SD0-DAT0							
PIOB2	SD0-CLK							
PIOB3	SD0-CMD							
PIOB5							DetVBUS	USB port1 VBUS Detect
PIOB6			TWI0_SCK					Control PMU, FM, HDMI,Clock IC
PIOB7			TWI0_SDA					
PIOB8				PWM0				
PIOB9		NCE1#						
PIOB10						IR		
DRV1								
DRV2								
DRV3					PA-SHDN#			Speaker PA shut down control
DRV4								

MAIN CHIP

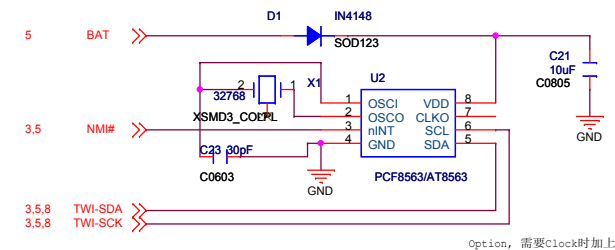
PIN129为IC背部接地处，需完好接地，请参考PCB Layout Guide设计PCB。



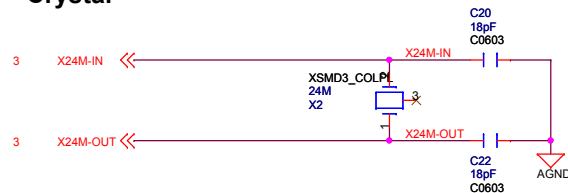


MICM必须在VRA1接地处接地

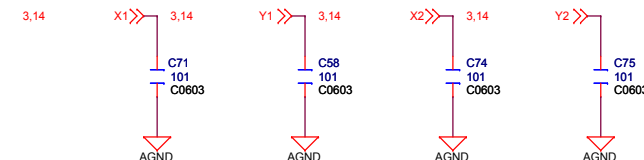
RTC



Crystal

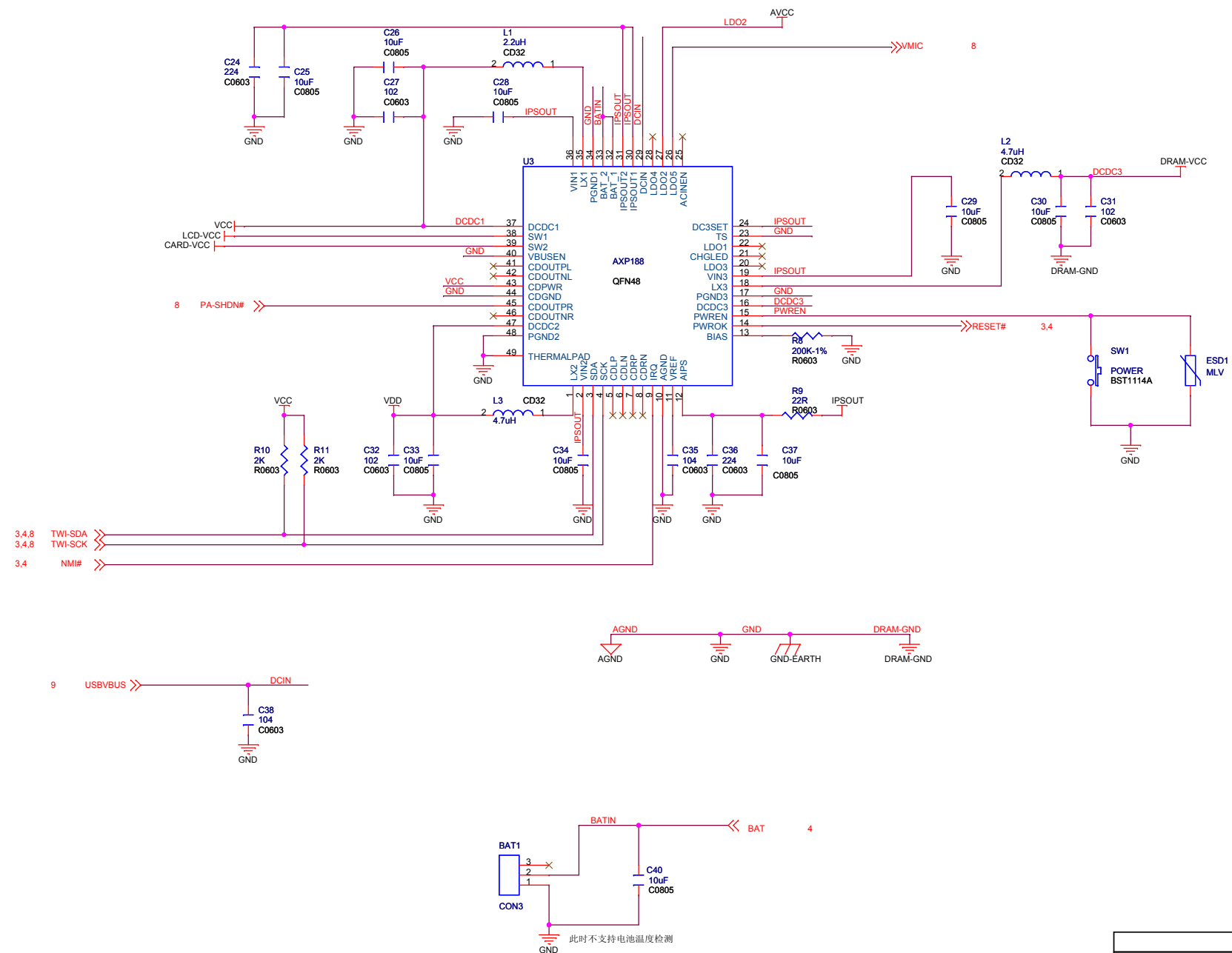


尽可能靠近主控ic摆放



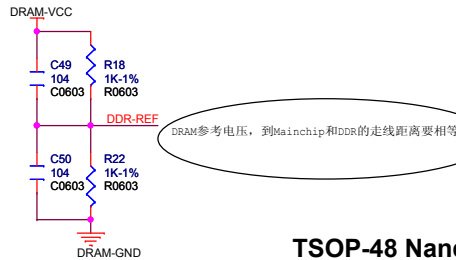
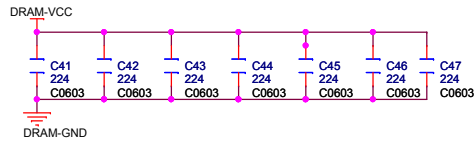
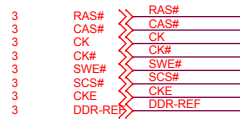
Title		
BESIDE MAIN CHIP		
Size	Document Number	Rev
A3	<Doc>	
Date:	Monday, July 12, 2010	Sheet 4 of 15

POWER



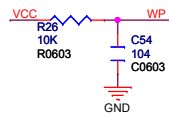
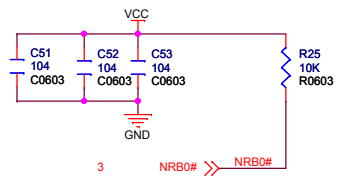
Title		
POWER		
Size	Document Number	Rev
A3	<Doc>	
Date:	Monday, July 12, 2010	Sheet 5 of 15

DDR

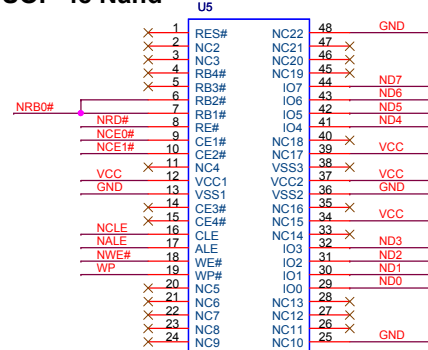


TSOP-48 Nand

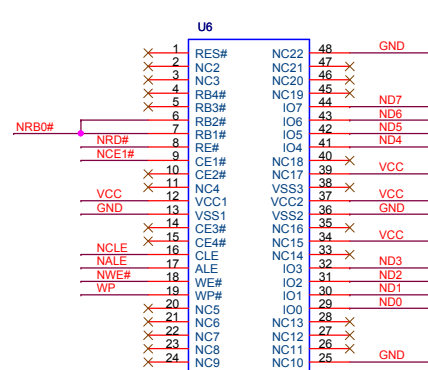
NAND



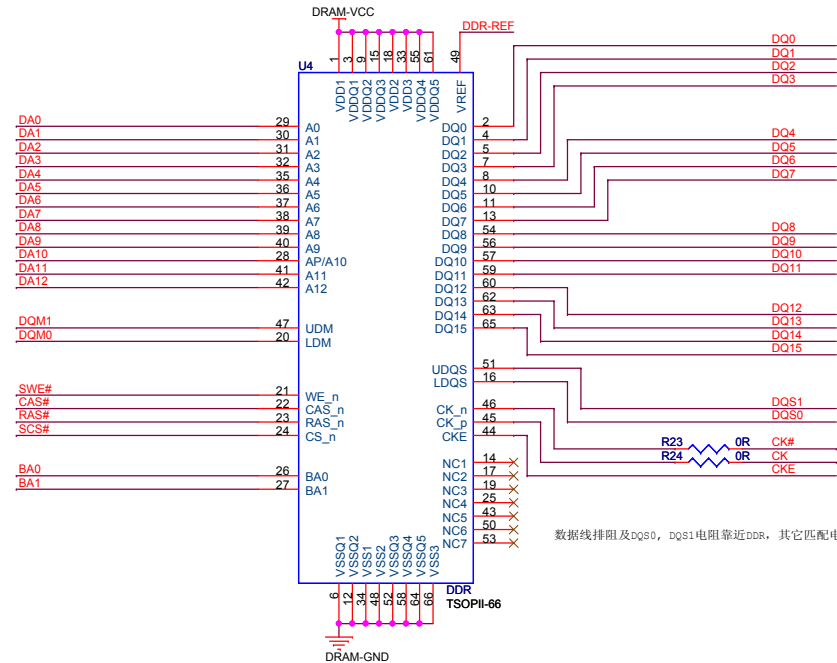
TSOP-48 Nand



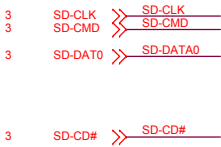
NAND FLASH X8 TSOP-48



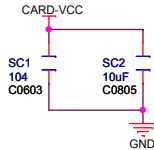
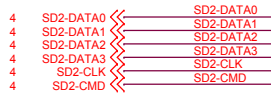
NAND FLASH X8 TSOP-48



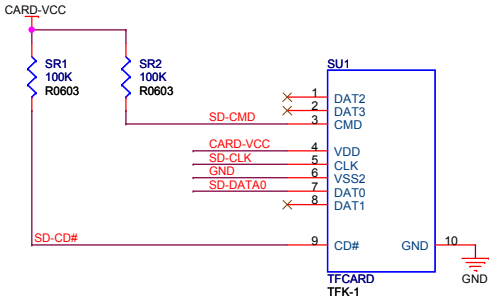
SD/MMC CARD



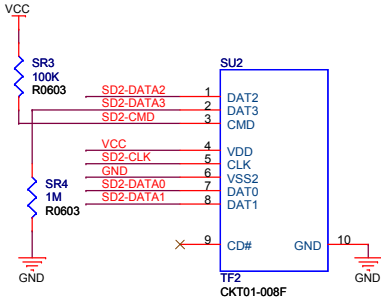
Card Startup



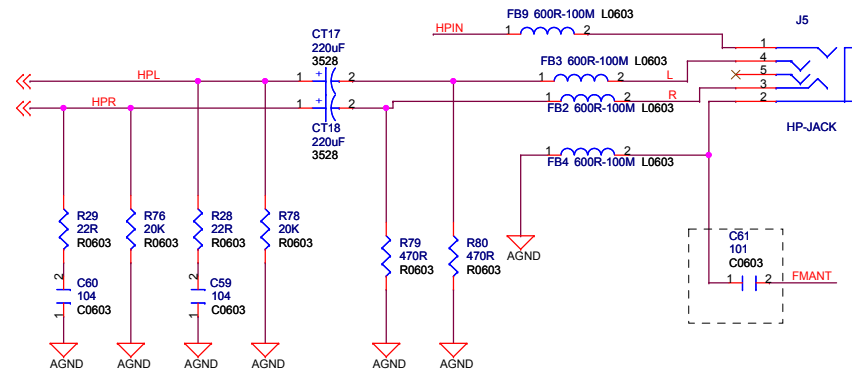
TF CARD



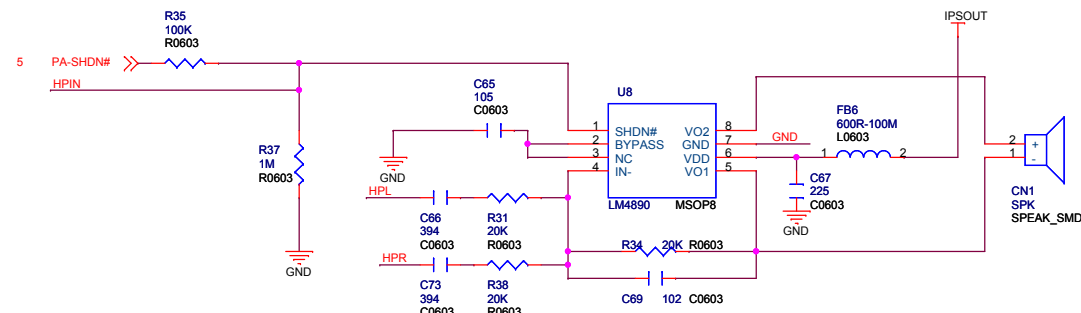
TF CARD



Head Phone & Speaker



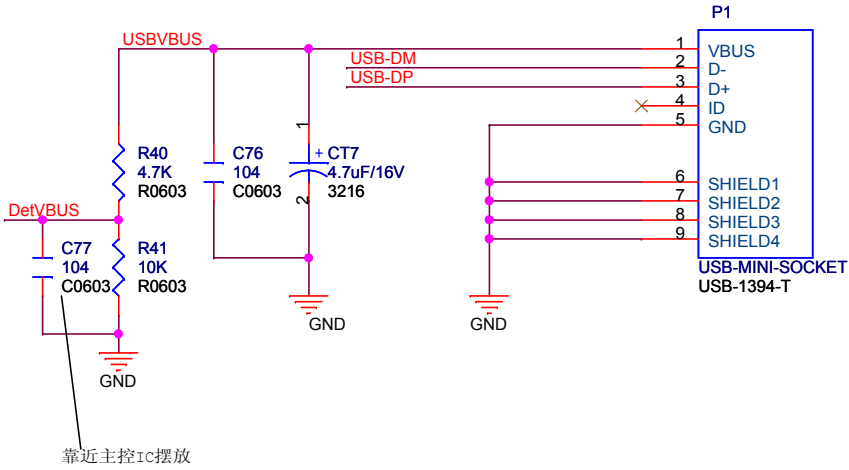
Microphone



Title			
HP & FM & MIC			
Size A3	Document Number <Doc>	Rev	
Date:	Monday, July 12, 2010	Sheet	8 of 15

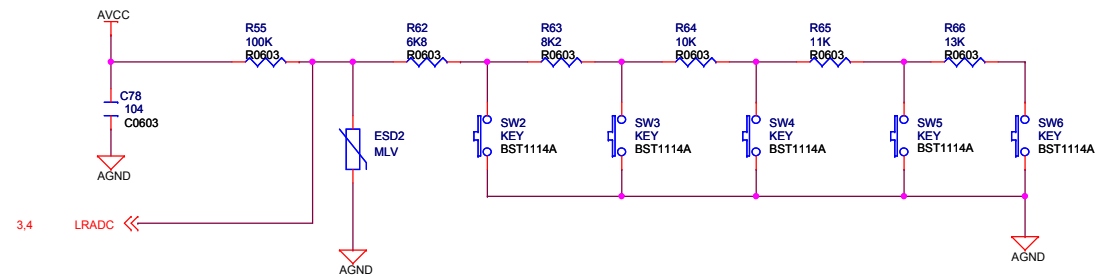
USB Port

5	USBVBUS	<<	USBVBUS
3	USB-DM	<<	USB-DM
3	USB-DP	<<	USB-DP
3	DetVBUS	>>	DetVBUS

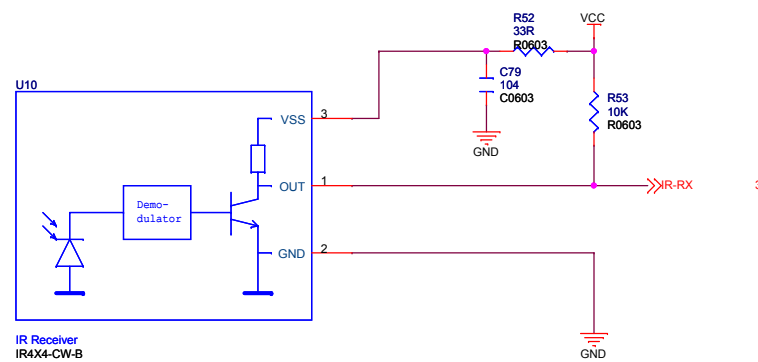


Title		
USB		
Size	Document Number	Rev
A4	<Doc>	
Date:	Monday, July 12, 2010	Sheet 9 of 15

KEY

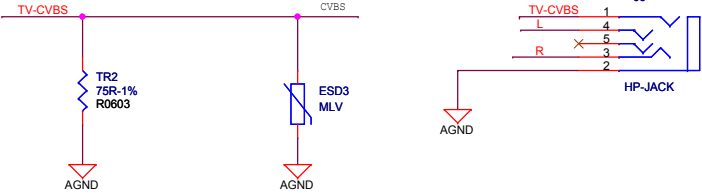


IR MODULE

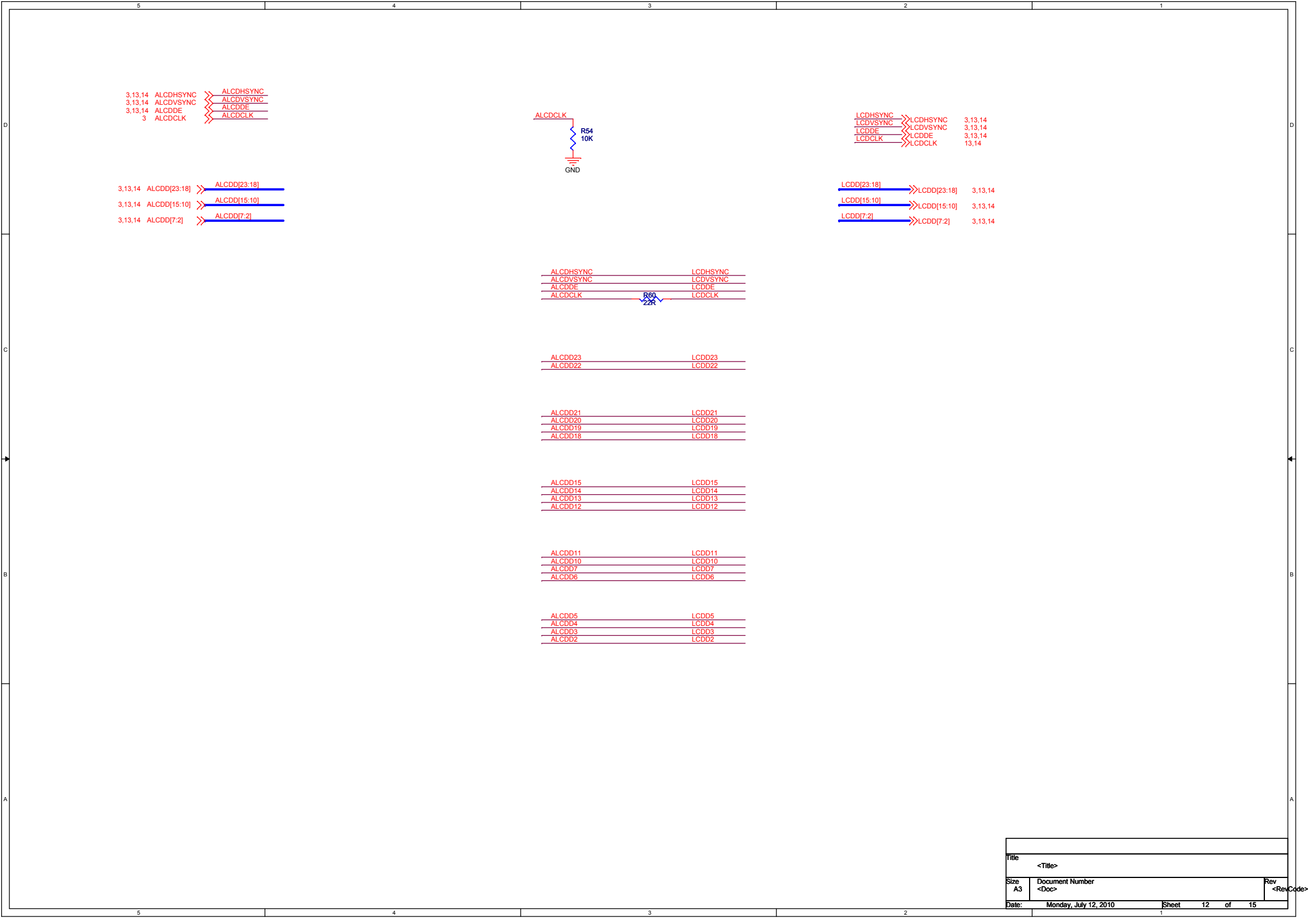


3 TV-CVBS << TV-CVBS
3 L << L
3 R << R

TV-OUT



Title			
TV-OUT			
Size	Document Number		Rev
A3	<Doc>		<RevCode>
Date:	Monday, July 12, 2010		Sheet 11 of 15



LCDHSYNC

LCDVSYNC

LCDDDE

LCDCLK

>>

LCDHSYNC

>>

LCDDVSYNC

>>

LCDDDE

>>

LCDCLK

3,13,14

3,13,14

3,13,14

13,14

LCDD[23:18]

>>

LCDD[23:18]

3,13,14

LCDD[15:10]

>>

LCDD[15:10]

3,13,14

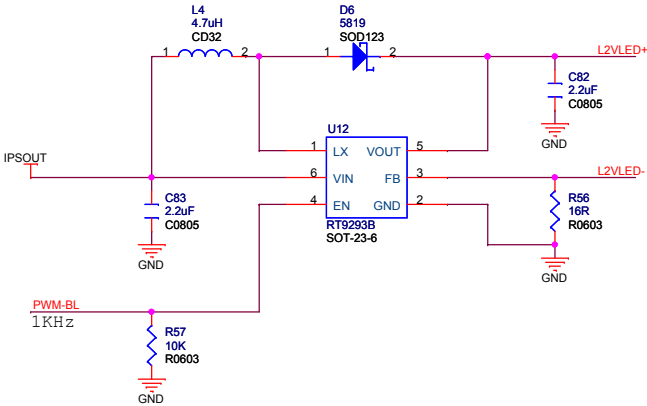
LCDD[7:2]

>>

LCDD[7:2]

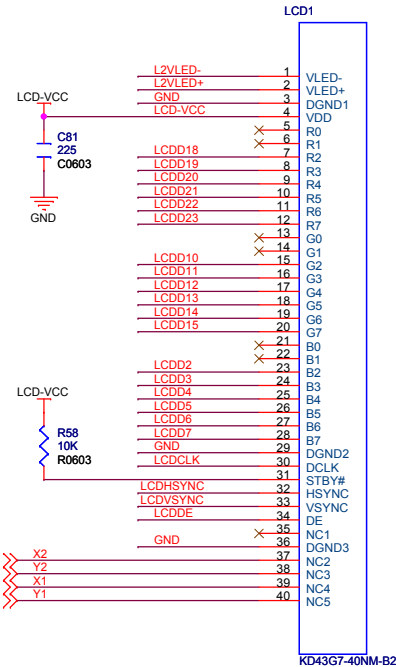
3,13,14

LCD Block 4.3" 480x272



电源需求:

VLED: 23.1V, 40mA
LCDVCC: 3.3V, 110mA



Title		
LCD		
Size	Document Number	Rev
A3	<Doc>	V03
Date:	Monday, July 12, 2010	Sheet 14 of 15

<http://www.mydigit.net>

数码之家 - 拆机/DIY/量产/维修/技术交流社区

<http://dl.mydigit.net>

下载频道 - 电路图/说明书/量产工具/维修手册